

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P553825

Luminaire Tested: **L80925NF930MB**

Issue Date: 7/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P553825  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L80925NF930MB  
Description: NARROW FLOOD OPTIC  
Light Source: 2500 LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

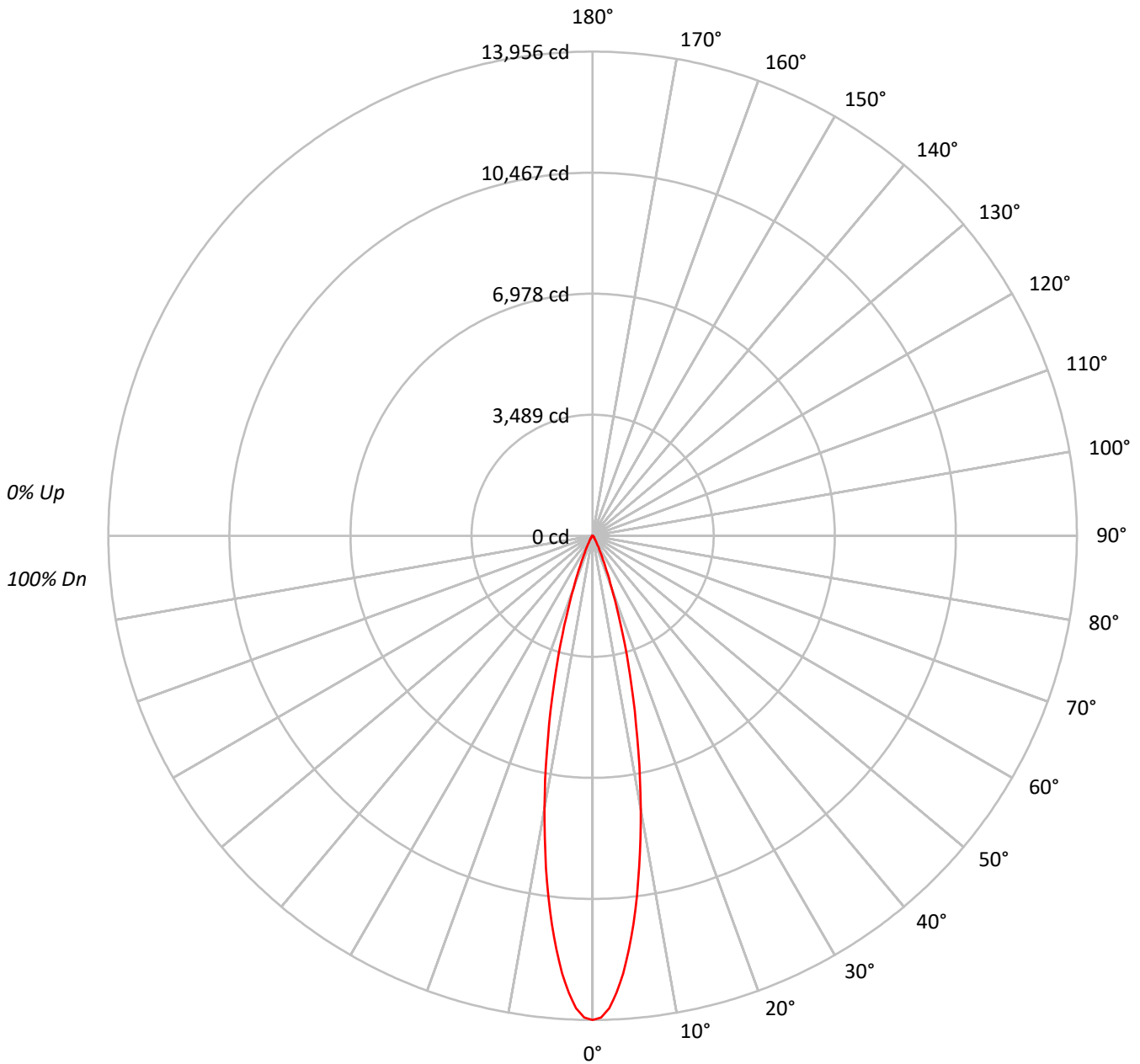
Lumens per Lamp: N/A  
Luminaire Lumens: 2570.2 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.39  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94
3	108	104	100	97	106	102	99	96	100	97	95	97	95	94	95	94	92	91	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83	83
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81	81	81	81
8	94	88	84	81	93	87	84	81	86	83	81	86	83	80	85	82	80	79	79	79	79
9	92	85	82	79	91	85	81	79	84	81	79	84	81	78	83	80	78	77	77	77	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	75	75	75	75

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	3060215
5°	2634112
10°	1780305
15°	941481
20°	373856
25°	127338
30°	52540
35°	27546
40°	16145
45°	10296
50°	7914
55°	6996
60°	5833
65°	5189
70°	3206
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1011.8	39.4
10°-20°	1143.3	44.5
20°-30°	291.3	11.3
30°-40°	69.5	2.7
40°-50°	27.3	1.1
50°-60°	16.3	0.6
60°-70°	9.6	0.4
70°-80°	1.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2446.3	95.2
0°-40°	2515.8	97.9
0°-60°	2559.4	99.6
0°-90°	2570.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13956	
5°	11967	###
15°	4147	1143
25°	526	291
35°	103	69
45°	33	27
55°	18	16
65°	10	10
75°	0	1
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13955.7
1°	13890.9
2°	13627.0
3°	13185.3
4°	12640.8
5°	11966.8
6°	11251.2
7°	10464.3
8°	9652.4
9°	8810.7
10°	7995.5
11°	7162.1
12°	6338.7
13°	5558.4
14°	4829.5
15°	4147.2
16°	3559.5
17°	2968.4
18°	2455.4
19°	1983.9
20°	1602.1
22.5°	918.1
25°	526.3
27.5°	322.1
30°	207.5
32.5°	144.4
35°	102.9
37.5°	74.7
40°	56.4
42.5°	43.2
45°	33.2
47.5°	26.6
50°	23.2
52.5°	19.9
55°	18.3
57.5°	16.6
60°	13.3
62.5°	11.6
65°	10.0
67.5°	8.3
70°	5.0
72.5°	1.7
75°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



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— 0°-180°







77.5°		0.0
80°		0.0



(END OF REPORT)